

Amendments to the Specification:

Please replace the paragraph beginning at page 282, line 7, with the following rewritten paragraph:

(RNAi transfection)

First, it was confirmed whether the siRNA could achieve knockdown effects. Synthesis of siRNA 5'-AAGCAGCAGGACUUCUCAAG-3' (SEQ ID NO:2_12) corresponding to EGFP was performed to prepare an array substrate as described herein above in the Examples. The preparation of array substrate using siRNA instead of nucleic acid molecules including promoter sequences was performed. Transfection using these array substrates confirmed effective inhibition of expression of a target gene. The protocols thereof are presented in Figure 28.

Please replace the paragraph beginning at page 283, line 17, with the following rewritten paragraph:

0.75 ng of an expression vector (pEGFP-N1), HcRed (available from BD Clontech) were each spotted on a single, specific spot of the array. Thereafter, 16.5 ng of siRNA (available from Dharmacon, target sequence: 5'-GGC TAC GTC CAG GAG CGC ACC -3' (SEQ ID NO:47_49)=a) or scrambled siRNA(available from Dharmacon. target sequence: 5'-gCg CgC TTT gTA ggA TTC g-3' (SEQ ID NO:48_50)=b) were also spotted.

Please delete the section of the application entitled "Sequence Listing" immediately after the section entitled Abstract on page 338 and insert the enclosed Sequence Listing therefor.